

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: December 2, 2002, 01:30:59 ; Search time 18.4272 seconds
(without alignments)
6074.559 Million cell updates/sec

Title: US-09-856-979-7
Perfect score: 365
Sequence: 1 tcagccagaccaatgggggc.....tccatcaagccgtcgcatg 365

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	365	100.0	2407	1 US-08-104-072B-8	Sequence 8, Appli
2	365	100.0	2407	1 US-08-351-413-9	Sequence 9, Appli
3	365	100.0	2407	2 US-09-025-583-9	Sequence 9, Appli
4	365	100.0	5349	4 US-09-068-101-7	Sequence 7, Appli
5	365	100.0	6548	3 US-08-817-188-2	Sequence 2, Appli
6	363.4	99.6	6548	3 US-08-894-440-1	Sequence 1, Appli
7	363.4	99.6	6548	4 US-09-458-093-1	Sequence 1, Appli
8	35.2	9.6	1831	6 5215881-1	Patent No. 5215881
9	35.2	9.6	1831	6 5215881-3	Patent No. 5215881
10	31.2	8.5	152	1 US-08-136-277-4	Sequence 4, Appli
11	31.2	8.5	152	2 US-08-479-403-4	Sequence 4, Appli
12	31.2	8.5	152	3 US-08-835-734-4	Sequence 4, Appli
13	31.2	8.5	1441	1 US-08-136-277-18	Sequence 18, Appl
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15	31.2	8.5	1441	3 US-08-835-734-18	Sequence 18, Appl
16	31.2	8.5	4403765	4 US-09-103-840A-2	Sequence 2, Appli
17	30.6	8.4	4380	4 US-08-955-565A-3	Sequence 3, Appli
18	30.4	8.3	806	3 US-09-154-083-7	Sequence 7, Appli
19	30.4	8.3	1680	1 US-08-014-723-13	Sequence 13, Appl
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21	30.4	8.3	1680	1 US-08-110-011A-13	Sequence 13, Appl
22	30.4	8.3	1680	1 US-08-110-011A-15	Sequence 15, Appl
23	30.4	8.3	1903	6 5466668-5	Patent No. 5466668
24	30.4	8.3	2011	1 US-08-170-290A-53	Sequence 53, Appl
25	30.4	8.3	2011	6 5256770-6	Patent No. 5256770
26	30.4	8.3	3835	3 US-09-248-571-1	Sequence 1, Appli
27	30.4	8.3	3835	4 US-09-553-736-1	Sequence 1, Appli

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c 29	29.8	8.2	519	2 US-08-581-528A-5	Sequence 5, Appli
c 30	29.8	8.2	519	5 PCT-US94-07799-5	Sequence 5, Appli
31	29.8	8.2	1436	4 US-09-471-396-2	Sequence 2, Appli
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c 35	29.4	8.1	1203	1 US-08-362-670B-29	Sequence 29, Appl
c 36	29.4	8.1	1203	3 US-08-333-576C-29	Sequence 29, Appl
c 37	29.4	8.1	1203	4 US-08-808-324-29	Sequence 29, Appl
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c 44	29.2	8.0	3715	4 US-09-041-886-10	Sequence 10, Appl
c 45	29.2	8.0	28804	2 US-08-592-874-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-104-072B-8
; Sequence 8, Application US/08104072B
; Patent No. 5639948
; GENERAL INFORMATION:
; APPLICANT: Michiels, Frank
; APPLICANT: Morioka, Sinji
; APPLICANT: Scheirlinck, Trees
; APPLICANT: Komari, Toshihiko
; TITLE OF INVENTION: Stamen-specific Promoters from Rice
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 3100 No. 5639948west Center
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/104,072B
; FILING DATE: 05-AUG-1993
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 9200272
; FILING DATE: 06-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 91403352.7
; FILING DATE: 10-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 91402590.3
; FILING DATE: 27-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 91400318.1
; FILING DATE: 08-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kowalchuk, Katherine M.
; REGISTRATION NUMBER: 36,848
; REFERENCE/DOCKET NUMBER: 8076.93USWO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2407 base pairs
; TYPE: nucleic acid

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; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 1..2263
; OTHER INFORMATION: /function= "anther-specific
; OTHER INFORMATION: promoter PE1"
; FEATURE:
; NAME/KEY: TATA_signal
; LOCATION: 2181..2187
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2111
; OTHER INFORMATION: /product= "Transcription initiation
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2264
; OTHER INFORMATION: /product= "ATG start translation of
; OTHER INFORMATION: E1 gene"
US-08-104-072B-8
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Query Match 100.0%; Score 365; DB 1; Length 2407;
Best Local Similarity 100.0%; Pred. NO. 2.8e-106;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 361 CGATG 365
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Db 2262 CGATG 2266
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RESULT 2
US-08-351-413-9
; Sequence 9, Application US/08351413
; Patent No. 5750867
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; APPLICANT: Leemans, Jan
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.

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; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/351.413
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/899,072
; FILING DATE: 12-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/970,849
; FILING DATE: 03-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2407 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Oryza sativa
; STRAIN: Akihikari
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..2263
; OTHER INFORMATION: /label= PE1
; OTHER INFORMATION: /note= "sequence comprising anther specific
; OTHER INFORMATION: promoter PE1"
; FEATURE:
; NAME/KEY: -
; LOCATION: 2181..2187
; OTHER INFORMATION: /label= TATA
; OTHER INFORMATION: /note= "TATA Box"
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; OTHER INFORMATION: site determined by primer extension"
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; NAME/KEY: -
; LOCATION: 2264..2266
; OTHER INFORMATION: /label= ATG
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US-08-351-413-9
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Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2262 CGATG 2266

RESULT 3
US-09-025-583-9
; Sequence 9, Application US/09025583
; Patent No. 5977433
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; APPLICANT: Leemans, Jan
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,583
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,413
; FILING DATE:
; APPLICATION NUMBER: US 07/899,072
; FILING DATE: 12-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/970,849
; FILING DATE: 03-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2407 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORGANISM: Oryza sativa
; STRAIN: Akihikari
; FEATURE:

NAME/KEY: -
LOCATION: 1..2263
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OTHER INFORMATION: /note= "sequence comprising anther specific promoter PE1"
FEATURE:
NAME/KEY: -
LOCATION: 2181..2187
OTHER INFORMATION: /label= TATA
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OTHER INFORMATION: /note= "ATG start of translation of El gene"
US-09-025-583-9
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Best Local Similarity 100.0%; Pred. No. 2.8e-106;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 2262 CGATG 2266

RESULT 4
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; Sequence 7, Application US/09068101
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; GENERAL INFORMATION:
; APPLICANT: PLANT GENETIC SYSTEMS N.V.
; TITLE OF INVENTION: Improved Barstar Gene
; FILE REFERENCE: 2121-139p
; CURRENT APPLICATION NUMBER: US/09/068,101
; CURRENT FILING DATE: 1998-08-26
; EARLIER APPLICATION NUMBER: EP 96202446.9
; EARLIER FILING DATE: 1996-09-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 5349
; TYPE: DNA
; ORGANISM: Artificial Sequence

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; LOCATION: Complement((1)..(25))
; OTHER INFORMATION: label = RB, "T-DNA right border"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: Complement((98)..(331))
; OTHER INFORMATION: label = 3'g7, "region containing 3' untranslated
; OTHER INFORMATION: end of Agrobacterium T-DNA gene 7"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: Complement((332)..(883))
; OTHER INFORMATION: label = bar, "region coding for phosphinotricin
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; OTHER INFORMATION: label = P35S, "35S promoter of Cauliflower Mosaic
; OTHER INFORMATION: Virus"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2281)..(3969)
; OTHER INFORMATION: label = PE1, "promoter of E1 gene of rice (WO
; OTHER INFORMATION: 92/13956)"
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; NAME/KEY: misc_feature
; LOCATION: (3970)..(4245)
; OTHER INFORMATION: label = synb*, "improved barstar DNA"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4246)..(4577)
; OTHER INFORMATION: label = 3'chs, "region containing 3' untranslated
; OTHER INFORMATION: end of chalcone synthase gene"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: Complement((5325)..(5349))
; OTHER INFORMATION: label = LB, "T-DNA left border"
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US-09-068-101-7

Query Match      100.0%; Score 365; DB 4; Length 5349;
Best Local Similarity 100.0%; Pred. No. 4e-106;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 361 CGATG 365
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; Sequence 2, Application US/08817188
; Patent No. 6074876
; GENERAL INFORMATION:
; APPLICANT: DE BLOCK, MARC
; TITLE OF INVENTION: GENETIC TRANSFORMATION USING A PARP INHIBITOR
; FILE REFERENCE: 2121-0127P
; CURRENT APPLICATION NUMBER: US/08/817,188
; CURRENT FILING DATE: 1997-05-15
; EARLIER APPLICATION NUMBER: PCT/EP96/03366
; EARLIER FILING DATE: 1996-07-31
; EARLIER APPLICATION NUMBER: EP 95401844.6
; EARLIER FILING DATE: 1995-08-04
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
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; OTHER INFORMATION: Description of Artificial Sequence: plasmid pTS172
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; LOCATION: Complement((2019)..(2288))
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; OTHER INFORMATION: polyadenylation signal of the nopaline synthase
; OTHER INFORMATION: gene of Agrobacterium T-DNA.
; FEATURE:
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; LOCATION: Complement((2289)..(2624))
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; NAME/KEY: misc_feature
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; OTHER INFORMATION: PE1: promoter region of E1 gene of rice
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; NAME/KEY: misc_feature
; LOCATION: (4336)..(5170)
; OTHER INFORMATION: P35S: 35S promoter region of Cauliflower Mosaic
; OTHER INFORMATION: Virus
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; NAME/KEY: misc_feature
; LOCATION: Complement((5711)..(6262))
; OTHER INFORMATION: bar: region coding for phosphinotricin
; OTHER INFORMATION: acetyltransferase
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; NAME/KEY: misc_feature
; LOCATION: (6263)..(6496)
; OTHER INFORMATION: 3'g7: 3' untranslated region containing the
; OTHER INFORMATION: polyadenylation signal of gene 7 of Agrobacterium
; OTHER INFORMATION: T-DNA
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US-08-817-188-2

Query Match      100.0%; Score 365; DB 3; Length 6548;
Best Local Similarity 100.0%; Pred. No. 4.3e-106;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2806 TGAGGTGCTTTGCGCATGACCGTCCTTGGTTGTTCAGTCACTTGGCGACGCTTGCACCG 2747
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QY 301 CCGGCCACGATAACCCATCCTAGCATCCCGGTGTCCAGCAAGAGATCCCATCAAGCCGTCG 360
Db 2686 CCGGCCACGATAACCCATCCTAGCATCCCGGTGTCCAGCAAGAGATCCCATCAAGCCGTCG 2627
QY 361 CGATG 365
Db 2626 CGATG 2622
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RESULT 6
US-08-894-440-1/c
; Sequence 1, Application US/08894440
; Patent No. 6025546
; GENERAL INFORMATION:
; APPLICANT: PLANT GENETIC SYSTEMS N.V.
; TITLE OF INVENTION: Method to obtain male sterile plants
; FILE REFERENCE: NMSCOR
; CURRENT APPLICATION NUMBER: US/08/894,440
; CURRENT FILING DATE: 1997-11-12
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6548
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid pTS174
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(2003)
; OTHER INFORMATION: pUC19 derived vector sequences (vector)
; NAME/KEY: misc_feature
; LOCATION: Complement((2019)..(2283))
; OTHER INFORMATION: 3' nos: region containing polyadenylation signal
; OTHER INFORMATION: of nopaline synthase gene of Agrobacterium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: Complement((2284)..(2624))
; OTHER INFORMATION: region coding for barnase of Bacillus
; OTHER INFORMATION: amyloliquefaciens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: Complement((2625)..(4313))
; OTHER INFORMATION: promoter of the stamen-specific E1 gene of rice
; OTHER INFORMATION: (PE1)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4336)..(5710)
; OTHER INFORMATION: 35S promoter of Cauliflower Mosaic Virus (P35S)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5711)..(6262)
; OTHER INFORMATION: region coding for phosphinothricin acetyl
; OTHER INFORMATION: transferase (bar)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (6263)..(6496)
; OTHER INFORMATION: region containing polyadenylation signal fo gene 7
; OTHER INFORMATION: of Agrobacterium T-DNA (3'g7)
US-08-894-440-1
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Query Match          99.6%; Score 363.4; DB 3; Length 6548;
Best Local Similarity 99.7%; Pred. No. 1.4e-105;
Matches 364; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 TCAGCCAGACCAATGGGGGCAAAATTTACTACTATTTGCCATACATTAAACCACGTAAGAAG 60
Db 2986 TCAGCCAGACCAATGGGGGCAAAATTTACTACTATTTGCCATACATTAAACCACGTAAGAAG 2927
QY 61 TCCTACACTCAACCTAACTGTTGAACGGTCCTGTTCTTGCCCAACGGTGAGAATGCACCTA 120
Db 2926 TCCTACACTCAACCTAACTGTTGAACGGTCCTGTTCTTGCCCAACGGTGAGAATGCACCTA 2867
QY 121 ATGGACGGGACAACACTTCTTTTCACCGTCTACTGCTACTACATCTGTAGACGGTGGACGCG 180
Db 2866 ATGGACGGGACAACACTTCTTTTCACCGTCTACTGCTACTACATCTGTAGACGGTGGACGCG 2807
QY 181 TGAGGTGCTTTCGCCATGACCGTCTGTTGTTGCAGTCACTTGGCGACGCTTGCACCG 240
Db 2806 TGAGGTGCTTTCGCCATGACCGTCTGTTGTTGCAGTCACTTGGCGACGCTTGCACCG 2747
QY 241 TGACTCACCTGCCACATTGCCCGCGCGCTCGCGGGCGCCTACAAAAGCCACACACGCACG 300
Db 2746 TGACTCACCTGCCACATTGCCCGCGCGCTCGCGGGCGCCTACAAAAGCCACACACGCACG 2687
QY 301 CCGGCCACGATAACCCATCCTAGCATCCCGGTGTCCAGCAAGAGATCCCATCAAGCCGTCG 360
Db 2686 CCGGCCACGATAACCCATCCTAGCATCCCGGTGTCCAGCAAGAGATCCCATCAAGCCGTCG 2627
QY 361 CGATG 365
Db 2626 CGATG 2622
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RESULT 7
US-09-458-093-1/c
; Sequence 1, Application US/09458093
; Patent No. 6344602
; GENERAL INFORMATION:
; APPLICANT: PLANT GENETIC SYSTEMS N.V.
; TITLE OF INVENTION: Method to obtain male sterile plants
; FILE REFERENCE: NMSCOR
; CURRENT APPLICATION NUMBER: US/09/458,093
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 08/894,440
; PRIOR FILING DATE: 1997-11-12
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6548
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid pTS174
; NAME/KEY: misc_feature
; LOCATION: (1)..(2003)
; OTHER INFORMATION: pUC19 derived vector sequences (vector)
; NAME/KEY: misc_feature
; LOCATION: Complement((2019)..(2283))
; OTHER INFORMATION: 3' nos: region containing polyadenylation signal
; OTHER INFORMATION: of nopaline synthase gene of Agrobacterium
; NAME/KEY: misc_feature
; LOCATION: Complement((2284)..(2624))
; OTHER INFORMATION: region coding for barnase of Bacillus
; OTHER INFORMATION: amyloliquefaciens
; NAME/KEY: misc_feature
; LOCATION: Complement((2625)..(4313))
; OTHER INFORMATION: promoter of the stamen-specific E1 gene of rice
; OTHER INFORMATION: (PE1)
; NAME/KEY: misc_feature
; LOCATION: (4336)..(5710)
; OTHER INFORMATION: 35S promoter of Cauliflower Mosaic Virus (P35S)
; NAME/KEY: misc_feature
; LOCATION: (5711)..(6262)
; OTHER INFORMATION: region coding for phosphinothricin acetyl
; OTHER INFORMATION: transferase (bar)
; NAME/KEY: misc_feature
; LOCATION: (6263)..(6496)
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US-08-835-734-18

Query Match 8.5%; Score 31.2; DB 3; Length 1441;
Best Local Similarity 57.0%; Pred. No. 1.9;
Matches 57; Conservative 0; Mismatches 43; Indels 0; Gaps 0;
QY 194 CCATGACCGTCCTTGGTTGTGCAGTCACTTGGCGACGCTTGCACCGTGACTCACCTGCC 253
Db 1391 CCGGCGCGCGCCAGACTGTCCCCACCGCTCACGGCTGCTGCCCGCGGCTGCCCTGCC 1332
QY 254 ACATTGCCCGCGCGCTCGCGCGCGCTACAAAAGCCACAC 293
Db 1331 ACACGCTTCCCTCCGTGCGCGCGCACCCCAACCTGCCCCAC 1292

Search completed: December 2, 2002, 04:05:08
Job time : 39.4272 secs

2.